Comparative statement

Government of Karnataka

Form No. PWG-45

BBMP. Dasarahalli

Estimate Amount: 15.00 Lakhs

Name of The Work: **Modified estimate for construction of Public sitting platform at Bagalagunte (Near Maramma Temple and Karekallu) in Bagalagunte ward No: 14**

Sl	Description of Item	Unit	As per Sanction Estimate			As per Tender			Total Executed Qty	up to 125%			Above 125% more than tender Qty			Total Amount	Amount		Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount		Excess	Savings	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Earth work Excavation for foundation of Buildings, water supply, sanitory lines and electrical conduits either in pits or in trenches 1.5m and above in width. In Hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50m after breaking of clods complete as per specification	Cum	34.20	299.98	10259.00	34.20	299.00	10226.00	96.75	42.75	299.00	12782.00	54.00	296.69	16021.00	**28803.00**	**18544.00**		
2	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	38.43	5159.02	198261.00	38.43	5100.00	195993.00	20.77	20.77	5100.00	105927.00			0.00	**105927.00**		**92334.00**	
3	KSRB-5.2-2: Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications	Cum	20.52	4279.22	87810.00	20.52	4200.00	86184.00	0.00			0.00			0.00	**0.00**		**87810.00**	
4	KSRB-5.4-4: Providing and constructing granite / trap / basalt size stone masonry in SuperStructure with cement mortar 1:4, edges of stones chistle dresed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications	Cum	54.72	5908.44	323310.00	54.72	5900.00	322848.00	0.00			0.00			0.00	**0.00**		**323310.00**	

5	KSRB: 2.3 Filing available Excavated Earth (Excluding Rock) in sides of foundation up to plinth in layers not exceding 20cms in depth, compacting each deposited layer by ramming after watering with lead up to 1.5m. Including cost of materials, labour, curing complete as per specifications	Cum	34.2	134.62	4604.00	34.20	135.00	4617.00	0.00			0.00			0.00	**0.00**		**4604.00**	
6	KSRB 15.1.3 -do- Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.	Sqm	60.8	103.88	6316.00	60.80	103.00	6262.00	0.00			0.00			0.00	**0.00**		**6316.00**	
7	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite land over existing floor in CM 1:4 at 20mm thick (average) and pointed with white / gey pigment etc., complete using black granite/ Multy Red/ Ruby Red/ Black/ Hassan Green Granite of width not less than 900mm,	Sqm	261.5	2439.06	637814.00	261.50	2400.00	627600.00	45.22	45.22	2400.00	108528.00			0.00	**108528.00**		**529286.00**	
8	KSRB7.9: Providing and fixing MS Grill work for windows and ventilators using MS flats or MS square rods, or comination of MS Flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a cost of red lead primer, cost of materials, fixtures, labour and HOM of machinary complete as per specification	Kg	2700	82.68	223236.00	2700.00	82.00	221400.00	0.00			0.00			0.00	**0.00**		**223236.00**	
	EIRL Items																		
1	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary completeas per design (laps, hooks and wastage shall not be measured andpaid) cost of materials, labour, HOM of machinery complete as perspecifications. Specification No. KBS 4.6.3 TMT bars Fe 500 .	Mt							2.16			0.00	2.16	63536.75	137239.00	**137239.00**	**137239.00**		

2	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm cumand down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum, with superplastisiser @3lts confirming tolS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layersnot exceeding 15 cms thick, vibrated for all works in ground floor levelfor roof slabs, staircase, lintels and beams retaining walls, returnwalls, walls (any thickness) including attached pilasters, columns,Unties, pillars, posts, struts, buttresses, string or lacing courses,parapets, coping, bed blocks, anchor blocks, plain window cills, fiHetsj*tc., including cost of all materials, labour, HOM of machinery, curing,complete but excluding cost of reinforcement as per specifications,specification	Cum							45.13			0.00	45.13	6674.79	301250.00	**301250.00**	**301250.00**		
3	Providing and removing centering, shuttering, strutting,.propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached1 pilasters, buttresses, plinth cilis andstring courses cost of all materials, labour complete as per specifications.Specification	Sqm							128.81			0.00	128.81	307.17	39567.00	**39567.00**	**39567.00**		
4	Providing and laying Hassan Green granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding fomosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, curing etc.,,	Sqm							71.47			0.00	71.47	6000.70	428870.00	**428870.00**	**428870.00**		
5	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including curing etc	Sqm							33.00			0.00	33.00	3697.50	122018.00	**122018.00**	**122018.00**		
6	Providing full nosing for 40mm thick granite slab using required machinery including cost and conveyance of all materials, jabbur for all items of work, HOM of equipment etc., complete as per specification	Mt							28.80			0.00	28.80	497.97	14342.00	**14342.00**	**14342.00**		
7	Providing full nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification	Mt							38.15			0.00	38.15	249.51	9519.00	**9519.00**	**9519.00**		

8	Providing and fixing stainless steel 304 grade for staircase railings, balconies, ramps, with hand rail, 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications.	Sqm							30.42			0.00	30.42	6444.15	196031.00	**196031.00**	**196031.00**		
9	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading	Cum							96.75			0.00	96.75	79.92	7732.00	**7732.00**	**7732.00**		
	Sub Total				**1491610.00**							**227237.00**			**1272589.00**	**1499826.00**			
	Miscelleneous				**8390.00**											**174.00**			
	TOTAL				**1500000.00**			**1475130.00**								**1500000.00**	**1275112.00**	**1266896.00**	

Contractor Quoted the Rates below 1.10 % below the S R Rates.

Estimated amount	1491610.00
Actual amount As per Modified Estimate	1499826.00
Percentage of Savings	1.0055081%

Percentage of Savings = $\frac{1275112.00}{1475180.00} \times 100$

= 86.41%

Since the overall expenditure is lesser then estimated amount. The Work slip & EIRL may please be approved

Assistant Engineer
W-14

ASSISTANT EXECUTIVE ENGINEER
Dasarahalli Sub-Division

EXECUTIVE ENGINEER
Dasarahalli Division

Modified estimate is approved

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.